

extracting the plurality of service parameters for the desired service from the first message;

creating a service session profile for the desired service, wherein the service session profile includes one or more of the extracted service parameters required by the desired service,
5 and wherein the service session profile is used by a session server associated with the data-over-cable system to activate the desired service;

associating the service session profile with a deferred inactive service identifier assigned to the first network device, wherein the deferred inactive service identifier is used to activate the desired service at a later time; and

10 returning the deferred inactive service identifier to the first network device in a second message.

12. (Amended) In a data-over-cable system including a plurality of network devices, a method for providing dynamic services, comprising the following steps:

15 receiving a service request from a first network device on a second network device on a data-over-cable system to activate a desired service for a service device associated with the first network device, wherein the service request includes a deferred inactive service identifier, wherein a service session profile for the desired service is associated with the deferred inactive service identifier, and wherein the service request is initiated by the service device associated
20 with the first network device;

activating the desired service on the data-over-cable system using the service session profile associated with the deferred inactive service identifier;

changing the deferred inactive service identifier into a deferred active service identifier,
whereby the service session profile for the desired service becomes associated with the deferred
active service identifier; and

generating a service event on a service server associated with the data-over-cable system
5 to request activation of the desired service.

20. (Amended) In a data-over-cable system including a plurality of network devices, a
method for providing dynamic services, comprising the following steps:

receiving a service request from a first network device on a second network device on a
10 data-over-cable system to deactivate a desired service for a service device associated with the
first network device, wherein the service request includes a deferred active service identifier,
wherein a service session profile for the desired service is associated with the deferred active
service identifier, and wherein the service request is initiated by the service device associated
with the first network device;

15 deactivating the desired service on the data-over-cable system using the service session
profile associated with the deferred active service identifier;

changing the deferred active service identifier into a deferred inactive service identifier;
and

generating an event on a service server associated with the data-over-cable system to
20 request deactivation of the desired service.

24. (Amended) In a data-over-cable system including a plurality of network devices, a
method for providing dynamic services, comprising the following steps:

sending a service request from a first network device on a data-over-cable system to a second network device on the data-over-cable system to activate a deferred inactive service for a service device associated with the first network device, wherein the service request includes a deferred inactive service identifier sent to the first network device by the second network device,
5 wherein the deferred inactive service identifier is associated with a service session profile for the deferred inactive service, wherein the service session profile is used to activate the deferred inactive service, and wherein the service request is initiated by the service device associated with the first network device; and

receiving a service notification from a service server associated with the second network
10 device indicating that the deferred inactive service has been activated by the second network device.

26. In a data-over-cable system including a plurality of network devices, a method for providing dynamic services, comprising the following steps:

15 sending a service request from a first network device on a data-over-cable system to a second network device on the data-over-cable system to deactivate a desired service for a service device associated with the first network device, wherein the service request includes an deferred active service identifier created from a deferred inactive service identifier sent to the first network device by the second network device, wherein the deferred inactive service identifier is
20 associated with a service session profile for the desired service, wherein the service session profile is used to deactivate the desired service, and wherein the service request is initiated by a service device associated with the first network device; and

receiving a service notification from a service server associated with the second network device indicating that the deferred active service has been deactivated by the second network device.

5 28. (Amended) A system for providing dynamic services to a network device in data-over-cable system, comprising in combination:

 a network device for providing a desired service requested by a service device associated with the network device;

 a service session profile for a desired service for the service device associated with the
10 network device, wherein the service session profile includes one or more service parameters required for the desired service, and wherein the service session profile is used by a service server associated with a data-over-cable system for activating the desired service;

 a deferred inactive service identifier associated with the service session profile for allowing activation of a desired service;

15 a deferred active service identifier created from a deferred inactive service identifier for indicating that a desired service is active; and

 a service event generator for generating a service event on a service server to request a change in status of a desired service on a data-over-cable system.

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